

=> fil reg

FILE 'REGISTRY' ENTERED AT 07:20:55 ON 04 JUN 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2007 HIGHEST RN 936470-74-5  
DICTIONARY FILE UPDATES: 3 JUN 2007 HIGHEST RN 936470-74-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

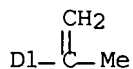
<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d ide can tot l13

L13 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 73740-38-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Cyclohexene, methyl(1-methylethenyl)- (9CI) (CA INDEX NAME)  
DR 88456-09-1  
MF C10 H16  
CI IDS  
LC STN Files: CA, CAPLUS, TOXCENTER



D1-Me



4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 146:464739

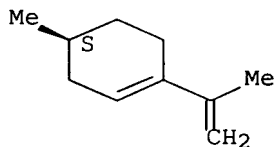
REFERENCE 2: 121:90309

REFERENCE 3: 100:54446

REFERENCE 4: 92:214975

L13 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 62433-77-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Cyclohexene, 4-methyl-1-(1-methylethenyl)-, (S)- (9CI) (CA  
INDEX NAME)  
FS STEREOSEARCH  
MF C10 H16  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

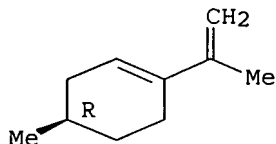
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 111:174408

REFERENCE 2: 86:121536

L13 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 62192-80-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Cyclohexene, 4-methyl-1-(1-methylethenyl)-, (4R)- (CA INDEX  
NAME)  
OTHER CA INDEX NAMES:  
CN Cyclohexene, 4-methyl-1-(1-methylethenyl)-, (R)-  
FS STEREOSEARCH  
MF C10 H16  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMLIST  
(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 REFERENCES IN FILE CA (1907 TO DATE)

## 15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 146:273731  
REFERENCE 2: 129:15915  
REFERENCE 3: 126:30931  
REFERENCE 4: 121:280691  
REFERENCE 5: 121:205691  
REFERENCE 6: 114:118449  
REFERENCE 7: 111:174408  
REFERENCE 8: 111:134488  
REFERENCE 9: 102:113197  
REFERENCE 10: 98:54224

L13 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN

RN 586-67-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Cyclohexene, 4-methyl-1-(1-methylethenyl)- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN p-Mentha-3,8-diene (8CI)

CN p-Mentha-3,8-diene, dl- (6CI)

OTHER NAMES:

CN 3,8-p-Menthadiene

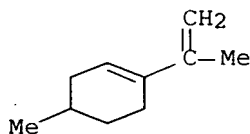
CN 3,8-para-Menthadiene

DR 105499-12-5

MF C10 H16

SR CAS EARLY REGISTRATIONS

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT,  
CHEMLIST, DETHERM\*, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

119 REFERENCES IN FILE CA (1907 TO DATE)

119 REFERENCES IN FILE CAPLUS (1907 TO DATE)

2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

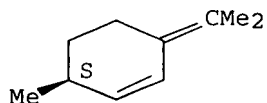
REFERENCE 1: 146:480874  
REFERENCE 2: 146:334060  
REFERENCE 3: 146:312751

REFERENCE 4: 146:312747  
REFERENCE 5: 146:296092  
REFERENCE 6: 146:272757  
REFERENCE 7: 145:459916  
REFERENCE 8: 145:331625  
REFERENCE 9: 145:195113  
REFERENCE 10: 144:260047

=> d ide can tot l21

L21 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 62504-16-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Cyclohexene, 3-methyl-6-(1-methylethylidene)-, (S)- (9CI) (CA  
INDEX NAME)  
FS STEREOSEARCH  
MF C10 H16  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

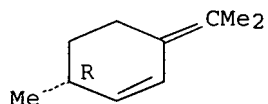
4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 111:174408  
REFERENCE 2: 96:52512  
REFERENCE 3: 92:198534  
REFERENCE 4: 86:121536

L21 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 43124-56-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Cyclohexene, 3-methyl-6-(1-methylethylidene)-, (3R)- (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclohexene, 3-methyl-6-(1-methylethylidene)-, (R)-  
OTHER NAMES:  
CN (+)-Isoterpinolene

FS STEREOSEARCH  
MF C10 H16  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)

Absolute stereochemistry.

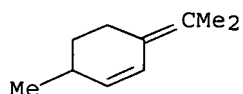


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

12 REFERENCES IN FILE CA (1907 TO DATE)  
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 129:15915  
REFERENCE 2: 121:280691  
REFERENCE 3: 121:205691  
REFERENCE 4: 114:118449  
REFERENCE 5: 111:174408  
REFERENCE 6: 99:38083  
REFERENCE 7: 98:54224  
REFERENCE 8: 93:239705  
REFERENCE 9: 93:132650  
REFERENCE 10: 93:8330

L21 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 586-63-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Cyclohexene, 3-methyl-6-(1-methylethylidene)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN p-Mentha-2,4(8)-diene (8CI)  
OTHER NAMES:  
CN 2,4(8)-p-Menthadiene  
CN Isoterpinolene  
MF C10 H16  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
CASREACT, CHEMLIST, NAPRALERT, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

273 REFERENCES IN FILE CA (1907 TO DATE)  
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 275 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 146:487132  
 REFERENCE 2: 146:486890  
 REFERENCE 3: 146:375774  
 REFERENCE 4: 146:319063  
 REFERENCE 5: 146:312751  
 REFERENCE 6: 146:200198  
 REFERENCE 7: 146:180744  
 REFERENCE 8: 146:159200  
 REFERENCE 9: 146:118073  
 REFERENCE 10: 146:77979

=> => d his

(FILE 'HOME' ENTERED AT 07:06:26 ON 04 JUN 2007)  
 SET COST OFF

FILE 'REGISTRY' ENTERED AT 07:06:42 ON 04 JUN 2007

L1 66861 S 46.150.2/RID AND 1/NR  
 L2 476 S L1 AND 2/ELC.SUB AND 10/C  
 L3 201 S L2 AND C10H16/MF  
 L4 13 S L3 AND IDS/CI  
     SEL RN 2 6  
 L5 2 S E1-E2  
 L6 188 S L3 NOT L4  
 L7 56 S L6 AND METHYLETHENYL  
 L8 38 S L7 NOT (D OR T)/ELS  
 L9 36 S L8 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14#)  
 L10 33 S L9 NOT LABELED  
 L11 3 S L10 AND 4 METHYL 1  
 L12 1 S L5 AND 73740-38-2  
 L13 4 S L11,L12  
 L14 30 S L10 NOT L11-L13  
 L15 132 S L6 NOT L7  
 L16 119 S L15 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O  
 L17 10 S L16 AND METHYLETHYLIDENE  
 L18 9 S L17 NOT ION

L19 3 S L18 AND 3 METHYL 6  
L20 6 S L18 NOT L19  
E ISOTERPINOLENE  
L21 3 S E3 OR L19

FILE 'REGISTRY' ENTERED AT 07:20:55 ON 04 JUN 2007

FILE 'HCAPLUS' ENTERED AT 07:21:24 ON 04 JUN 2007

L22 139 S L13  
L23 92 S 3()8() (P OR PARA) () MENTHADIENE OR (P OR PARA) () MENTHA()3()8()  
L24 13 S DELTA 3 8 9 () (P OR PARA) () MENTHADIENE  
L25 25 S 3 8 9 () (P OR PARA) () MENTHADIENE  
L26 5 S 3 8 MENTHADIENE  
L27 1 S CYCLOHEXENE(S)1 ISOPROPENYL 4 METHYL  
L28 162 S L22-L27  
L29 289 S L21  
L30 122 S ISOTERPINOLENE  
L31 102 S (P OR PARA) () MENTHA 2 4 8 DIENE  
L32 5 S ISO TERPINOLENE  
L33 36 S 2 4 8() (P OR PARA) () MENTHADIENE  
L34 3 S (P OR PARA) () 2 4 8 MENTHADIENE  
L35 322 S L29-L34

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